

Serial No. 10/574,656
Amendment dated June 11, 2009
Reply to Office Action of March 13, 2009

Docket No. K-0789

Amendments to the Specification:

Please replace the paragraph at page 2, lines 7-10 with the following amended paragraph:

Behind the freezing chamber ~~120~~ 110, there is a cold air duct 500 for receiving the air passed through the freezing chamber and refrigerating chamber for heat exchange. For this, the cold air duct 500 has a cold air outlet 510 and a cold air inlet 520 in an upper portion and a lower portion, respectively.

Please replace the paragraph at page 2, lines 18-27 with the following amended paragraph:

Upon tuning on power in a state the freezing chamber 110, and the refrigerating chamber 111 is filled with food, the compressor in the machinery room is operated in response to a control signal from a controller (not shown), and the evaporator 200 makes heat exchange with air inside of the refrigerator according to the refrigerating cycle. According to this, the air is discharged to the freezing chamber ~~120~~ 110 by the fan 400 after the air is cooled down as the air heat exchanges with the refrigerant passing through the evaporator 200, and a portion of the cooled air is introduced into the refrigerating chamber 111 through the communication hole 101a. Thereafter, the cold air heated as the air circulates through the freezing chamber 110 and the refrigerating chamber 111 is introduced into the duct 500 through the cold air inlet 520.

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Please replace the paragraph at page 3, lines 13-17 with the following amended paragraph:

In the defrosting operation, by applying power to the defrosting heater 300 for a predetermined time period to transmit heat to the fins on the evaporator ~~400~~200, the frost can be melted down, and remove the frost, from the evaporator 200. Water from the frost is drained through a drainpipe to an outside of the refrigerator, or evaporated for itself.

Please replace the paragraph at page 11, lines 18-21 with the following amended paragraph:

Then, the defrosting heater 300 in the cold air duct 500 is operated. The heat from the defrosting heater 300 heats air inside of the cold air duct 500. The heated air is forcibly ~~circulates~~ circulated downwardly by the fan 600, to melt, and remove frost from the surface of the evaporator 200.

Please replace the paragraph at page 14, lines 9-12 with the following amended paragraph:

In this instance, the defrosting heater ~~530~~350 has a surface in contact with the fins 42, and heat from the defrosting heater 350, not only convects, but also conducts through the fins 42. According to this, by the convecting, or conducting heat, the frost is melt and removed from the fins 42.